

Environmental Management Program  
Eglin Air Force Base, Florida

**UNIT ENVIRONMENTAL COORDINATOR (UEC)  
ENVIRONMENTAL HANDBOOK**

Revision 1 - August 2001

*Prepared for*  
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## Preface

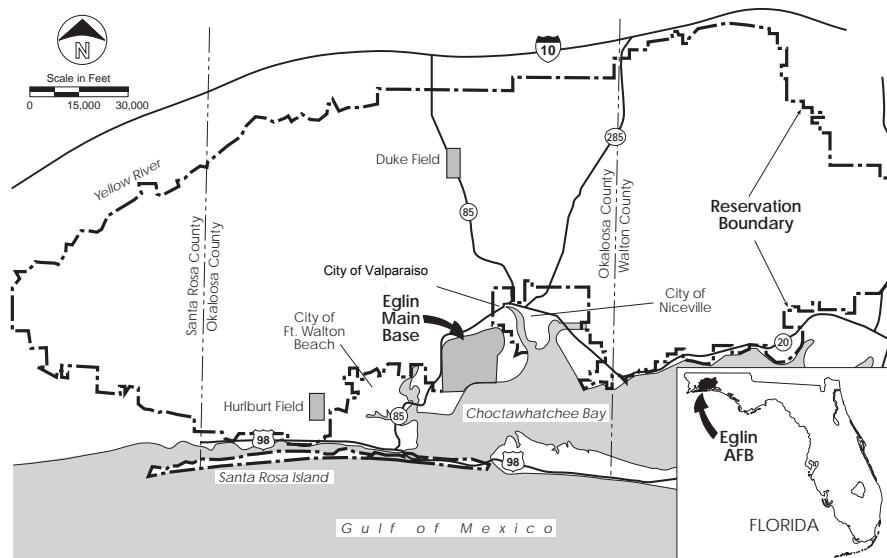
### About the Air Armament Center

The Air Armament Center (AAC), headquartered at Eglin Air Force Base (AFB), Florida, is one of four product centers in the Air Force Materiel Command. Serving as the focal point for all Air Force armaments, the center is responsible for the development, acquisition, testing, deployment and sustainment of all air-developed weapons. AAC plans, directs, and conducts test and evaluation of U.S. and allied air armament, navigation/guidance systems, and command and control systems. AAC operates two Air Force installations, providing host support to Eglin AFB, Florida, and Kirkland AFB, New Mexico. AAC accomplishes its mission through four components – the Armament Product Directorate, the 46th Test Wing, and the 96th Air Base Wing (all located at Eglin) and the 377th Air Base Wing (at Kirkland).

Eglin is the largest air base in the western world, covering 464,000 acres (724 square miles) of environmentally sensitive areas in the middle of Northwest Florida's "Emerald Coast," shown on the following map. Nearly 45 associate organizations from all branches of the military services use Eglin's ranges and facilities for operational testing and training exercises. Some of these associate organizations are the U.S. Air Force Air Warfare Center, the 33rd Fighter Wing, the 919th Special Operations Wing, and the U.S. Army 6th Ranger Training Battalions.

Vicinity Map of the Eglin AFB Reservation

*The Nature Conservancy recognizes Eglin as a natural resource of international importance.*



Balancing the use of Eglin's natural resources for strategic mission operations with the need to protect those resources for future generations is an important and complex task. This handbook is designed to be a tool for accomplishing that task. Although it is not intended to

be an exhaustive source of environmental information, it has critical guidelines to help those with environmental management responsibilities at Eglin do their jobs more effectively.

## About This Handbook

This handbook was designed to accomplish the following goals:

- Assist the Unit Environmental Coordinators (UECs) in performing their duties by providing consolidated, up-to-date information on all the environmental programs and requirements at Eglin.
- Ensure that environmental procedures are uniformly carried out by all units and activities at the base.
- Provide access to this handbook electronically at the AAC/Environmental Management (EM) Directorate UEC Information website  
<https://em.eglin.af.mil/emc/emce/uecweb/library/index.asp>

The number and complexity of environmental programs and compliance requirements at Eglin preclude consolidating all the necessary information in one document. Thus, although this handbook will be the primary information source for the UECs, it is not the only source they will need to perform their jobs.

Subsequent chapters of this handbook identify other important sources of information that are available through the Eglin EM Directorate, such as existing environmental plans (Eglin's Hazardous Waste Management Plan, for example), environmental regulations (Federal and state), and Air Force Instructions (AFIs). UECs and others who wish to gain a more comprehensive view of a particular topic are encouraged to request this information.

## Act Versus Regulations

To avoid confusion, the definition of a few key terms is useful. The term "Act," sometimes called a statute or law, refers to a Congressional mandate for development of regulations. An Act establishes a framework for governmental agencies, such as the U.S. Environmental Protection Agency (EPA), the U.S. Department of Transportation (DOT), or the Occupational Safety and Health Administration (OSHA), to develop a comprehensive set of regulations. "Regulations," "rules," or "standards" are the legal mechanisms that spell out requirements specified by Congress in an Act. Regulations are continuously being developed and published according to an established process. When a regulation is developed, it is first published as a proposed rule in a document called the *Federal Register*. The *Federal Register* also describes of the agency's rationale for the regulatory requirements. After public comment, the final rule is published in the *Federal Register*. Annually, the final regulations are compiled and placed in the *Code of Federal Regulations* (CFR). For instance, EPA regulations are found in Title 40 of the CFR, DOT regulations in Title 49, and OSHA rules in Title 29.

State governments establish laws and regulations in a manner similar to the Federal government. The Florida Legislature enacts the statutes and the Florida Department of Environmental Protection (FDEP) establishes the corresponding regulations. The FDEP is

Florida's principal environmental and natural resources agency. State agencies are allowed to pass regulations that adopt the Federal requirements or are more stringent than the Federal regulations. A state cannot pass a regulation that is less stringent than Federal requirements.

To expand on the information in this handbook, read the CFR (Federal Regulations) or the state regulations, which are cited throughout the chapters. For copies of the CFRs, contact the U.S. Government Printing Office (GPO) at (202) 512-1800, or visit the GPO website at <http://www.gpo.gov/>. For copies of the state regulations, visit the FDEP website at <http://www.dep.state.fl.us>.

## **Handbook Revisions**

As regulations change, Eglin's EM Directorate will update this handbook. If you have suggestions to make it more useful or modifications as a result of policy and program changes, please contact Danny Freeman, AAC/EMC, by phone at (850) 882-6282 ext. 251 and by email at [daniel.freeman@eglin.af.mil](mailto:daniel.freeman@eglin.af.mil).

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# Acronyms and Abbreviations

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AAC	Air Armament Center
AAFES	Army and Air Force Exchange Service
AAT	Asbestos Abatement Team
96 ABW	96 Air Base Wing
ACCS	accumulation site
ACES	Automated Civil Engineer System
ACHP	Advisory Council on Historic Preservation
ACM	asbestos-containing materials
AF	Air Force
AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
AFDTC	Air Force Development Test Center
AFDTCI	Air Force Development Test Center Instruction
AFI	Air Force Instruction
AFIT	Air Force Institute of Technology
AFM	Air Force Memorandum
AFMAN	Air Force Manual
AFMC	Air Force Materiel Command
AFMCI	Air Force Materiel Command Instruction
AFOSH	Air Force Occupational Safety and Health
AFOSHSTD	Air Force Occupational Safety and Health Standard
AFPAM	Air Force Pamphlet
AFPD	Air Force Environmental Quality Program
AFR	Air Force Regulation
AFTO	Air Force Technical Order
AFV	alternative fuel vehicle
AGE	aerospace ground equipment
AHERA	Asbestos Hazard Emergency Response Act
AHPA	Archaeological and Historic Preservation Act
AIPP	American Institute for Pollution Prevention
96 AMDS/SGPB	96 Aerospace Medicine Squadron/Bioenvironmental Flight
96 AMDS/SGPM	96 Aerospace Medicine Squadron/Public Health
APE	area of potential effect
AQCR	Air Quality Control Region
AQCR #5	Mobile-Pensacola-Panama City-Southern Mississippi Interstate Air Quality Control Region
AQPM	Air Quality Program Manager
AQUIS	Air Quality Utility Information System
ARPA	Archaeological Resources Protection Act
ASHARA	Asbestos School Hazard Abatement Reauthorization Act
AST	aboveground storage tank
ATSDR	Agency for Toxic Substances and Disease Registry
AVGAS	aviation gasoline

# Acronyms and Abbreviations (Continued)

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BAT	best available technology
BCT	best conventional technology
BMP	best management practice
BOMARC	Boeing and Michigan Aeronautical Research Center
C	candidate (for Federal listing of threatened and endangered species)
CAA	Clean Air Act
CAP	contamination assessment plan
CAR	contamination assessment report
CC	Center Commander
CATEX	categorical exclusion
C&D	construction and demolition
CDD	complete discharge device
CE	Civil Engineering
96 CEG	96 Civil Engineer Group
96 CEG/CC	96 Civil Engineer Group Commander
96 CEG/CER	96 Civil Engineer Group/Resources Division
96 CEG/CERR	96 Civil Engineer Group/Real Estate Flight
96 CEG/CERX	96 Civil Engineer Group/Long Range Plans
96 CES/CEFP	96 Civil Engineer Squadron/Fire Prevention Branch
796 CES/CEOI	796 Civil Engineer Squadron/Infrastructure Flight
796 CES/CEOIE	796 Civil Engineer Squadron/Infrastructure Flight, Exterior Electric Element
796 CES/CEOIL	796 Civil Engineer Squadron/Fuels Maintenance Shop
796 CES/CEOIUW	796 Civil Engineer Squadron/Infrastructure Flight, Water Supply Systems Element
796 CES/CEOM	796 Civil Engineer Squadron/Maintenance Engineering Flight
796 CES/CEOR	796 Civil Engineer Squadron/Requirements Flight
796 CES/CEORE	796 Civil Engineer Squadron, Requirements Flight, Engineering Support Element
CEQ	U.S. Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFC	chlorofluorocarbon
CFR	<i>Code of Federal Regulations</i>
CM	corrective measure
CMI	corrective measures implementation
CMS	corrective measures study
CO	carbon monoxide
COPT	Captain of the Port
CRMP	Cultural Resources Management Plan
CSAF	Chief of Staff of the Air Force
CSI	Compliance Site Inventory

# Acronyms and Abbreviations (Continued)

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CTP2	Compliance Through Pollution Prevention
CVA	Assistant Vice Chief of Staff
CWA	Clean Water Act
DCS	Document Control System
DECA	Defense Commissary Agency
DENIX	Defense Environmental Network and Information Exchange
DEQPPM	Defense Environmental Quality Program Policy Memorandum
DLA	Defense Logistics Agency
DMR	Discharge Monitoring Report
DoD	U.S. Department of Defense
DOPAA	Description of Proposed Action and Alternatives
DOT	U.S. Department of Transportation
DRMO	Defense Reutilization and Marketing Office
DRMS	Defense Reutilization and Marketing Service
DLA	Defense Logistics Agency
EA	environmental assessment
EAP	emergency action plan
ECAMP	Environmental Compliance Assessment and Management Program
EGTR	Eglin Gulf Test Range
EHS	extremely hazardous substance
EIAP	Environmental Impact Analysis Process
EIS	environmental impact statement
EM	Environmental Management
E-mail	electronic mail
EMC	Environmental Management Directorate-Compliance Division
EMCE	Environmental Management Directorate-Engineering Branch of the Compliance Division
EMCP	Environmental Management Directorate-Pollution Prevention Branch of the Compliance Division
EMH	Environmental Management Directorate-Historic Preservation Division
EMIS	Executive Management Information System
EMO	Environmental Management Directorate-Resources
EMP	Environmental Management Directorate-Product Support Division
EM-PAV	Environmental Public Affairs
EMR	Environmental Management Directorate-Restoration Division
EMS	Environmental Management System
EMS	Environmental Management Directorate-Environmental Stewardship Division
EMSN	Environmental Management Directorate-Natural Resources Branch of the Environmental Stewardship Division

# Acronyms and Abbreviations (Continued)

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EMSP	Environmental Management Directorate-Environmental Analysis Branch of the Environmental Stewardship Division
EO	Executive Order
EOD	Explosive Ordnance Disposal
EPA	U.S. Environmental Protection Agency
EPC	Environmental Protection Committee
EPCRA	Emergency Planning and Community Right-to-Know Act
ERP	Environmental Resource Permit
ESA	Endangered Species Act
°F	degrees Fahrenheit
F.A.C.	Florida Administrative Code
f/cc	fibers per cubic centimeter
FDEP	Florida Department of Environmental Protection
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FMECI	Federal Facilities Multimedia Enforcement/Compliance Initiative
FMIS	Forest Management Information System
FOIA	Freedom of Information Act
FONPA	Finding of No Practicable Alternative
FONSI	Finding of No Significant Impact
FOTW	Federally owned treatment works
F.R.	<i>Federal Register</i>
FRP	Facility Response Plan
F.S.	Florida Statutes
33 FW	33 Fighter Wing
FWC	Florida Fish and Wildlife Conservation Commission
FWPCA	Federal Water Pollution Control Act
FY	fiscal year
GPO	U.S. Government Printing Office
HAP	hazardous air pollutant
HAZCOM	hazard communication
HAZMAT	hazardous materials
HAZWOPER	hazardous waste operations and emergency response
HCFC	hydrochlorofluorocarbon
HEPA	high-efficiency particulate air
HLPSA	Hazardous Liquids Pipeline Safety Act
HMC	hazardous material cell
HMIS	Hazardous Materials Information System
HMMS	Hazardous Materials Management System
HMTA	Hazardous Materials Transportation Act
HQ	headquarters
HQUSAFAF	Air Force Headquarters
HSWA	Hazardous and Solid Waste Amendments (of RCRA)

# Acronyms and Abbreviations (Continued)

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HTIS	Hazardous Technical Information Services
HUD	Department of Housing and Urban Development
HVAC	heating, ventilation, and air-conditioning
IAP	initial accumulation point
ICM	interim corrective measure
IEX	issue exception
ILE	Installation and Logistics
IN RTP	Integrated Natural Resources Transitional Plan
IPT	integrated product team
IRP	Installation Restoration Program
ISO	International Organization for Standardization
ISWMP	Integrated Solid Waste Management Plan
JA	Judge Advocate
kg	kilogram
LBP	lead-based paint
LEPC	Local Emergency Planning Committee
LERA	lead exposure risk assessment
LGS	Base Supply
LP	liquid petroleum
LQH UW	large quantity handler of universal waste
LTM	long-term monitoring
LUC	land use control
MAJCOM	major command
MAP	management action plan
MAP	Model Accreditation Plan
MEK	methyl ethyl ketone
MIBK	methyl isobutyl ketone
$\mu\text{g}/\text{cm}^3$	micrograms per cubic centimeter
$\mu\text{g}/\text{dL}$	micrograms per deciliter
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
$\mu\text{m}$	micrometers
$\text{mg}/\text{cm}^2$	milligrams per square centimeter
$\text{mg}/\text{dL}$	milligrams per deciliter
$\text{mg}/\text{L}$	milligrams per liter
MMPA	Marine Mammal Protection Act
MMS	Minerals Management Service
MPRSA	Marine Protection, Research, and Sanctuaries Act, Title I
MOA	memorandum of agreement
MOGAS	motor gasoline
MPH	Military Public Health

# Acronyms and Abbreviations (Continued)

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MSDS	material safety data sheet
96 MSS/DPE	Mission Support Squadron Education and Training Flight
MTR	marine transportation-related
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NCP	National Contingency Plan
NEPA	National Environmental Policy Act
NESHAP	National Emission Standard for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NHPA	National Historic Preservation Act
NIOSH	National Institute of Occupational Safety and Health
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOI	notice of intent
NO <sub>x</sub>	nitrogen oxide
NOV	notice of violation
NPDES	National Pollution Discharge Elimination System
NRC	National Response Center
NRC	Nuclear Regulatory Commission
NRHP	National Register of Historic Places
NSN	national stock number
NSPS	New Source Performance Standards
NTIS	National Technical Information Service
NWFWM	Northwest Florida Water Management District
O <sub>3</sub>	ozone
OB/OD	open burn/open detonation
ODC	ozone-depleting chemical
ODS	ozone-depleting substance
ODSIEO	ODS Information Exchange Service
O&M	operations and maintenance
OPA 90	Oil Pollution Act of 1990
OPR	officer of primary responsibility
OSC	on-scene coordinator
OSHA	Occupational Safety and Health Administration (also Occupational Safety and Health Act)
OSRP	Oil Spill Response Plan
OWS	oil/water separator
P2	pollution prevention
P2MAP	Pollution Prevention Management Action Plan
P2OA	pollution prevention opportunity assessment
PAO	Public Affairs Office
Pb	lead

# Acronyms and Abbreviations (Continued)

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PCB	polychlorinated biphenyl
PCE	perchloroethylene or tetrachloroethylene
PEL	permissible exposure limit
PM-10	particulate matter
POC	Point of Contact
POL	petroleum, oils, and lubricants
POTW	publicly owned treatment works
PPE	personal protective equipment
PPIC	Pollution Prevention Information Clearinghouse
ppm	parts per million
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
QAPP	quality assurance project plan
QRP	Qualified Recycling Program
RACM	regulated asbestos-containing material
RAP	remedial action plan
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI/FS	remedial investigation/feasibility study
RMP	Risk Management Plan
ROCC	Range Operations Control Center
ROD	record of decision
RQ	reportable quantity
RSO	Radiation Safety Officer
RSPA	Research and Special Programs Administration
SABER	Simplified Acquisition of Base Engineering Requirement
SAF/MI	Assistant Secretary of the Air Force for Manpower, Reserve Affairs, Installation, and Environment
SARA	Superfund Amendments and Reauthorization Act
SC	species of concern
SE	safety
SEG	Ground Safety
SEOG	Ground Safety Element
SERC	State Emergency Response Commission
SHPO	Florida State Historic Preservation Office
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SOP	standard operating procedure
SPCC	spill prevention, control, and countermeasures
SQH UW	small quantity handler of universal waste
SSC	species of special concern

## Acronyms and Abbreviations (Continued)

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SWMU	solid waste management unit
SWPPP	Storm Water Pollution Prevention Plan
TCA	trichloroethane
TCE	trichloroethylene
TCLP	toxicity characteristic leaching procedure
T&E	threatened and endangered
THPO	Tribal Historic Preservation Office
TLF	temporary lodging facility
TPQ	Threshold Planning Quantity
TRI	Toxic Release Inventory
TSCA	Toxic Substance Control Act
TSDF	treatment, storage, and disposal facility
TSI	thermal surface insulation
UEC	unit environmental coordinator
UN	United Nations
USACE	U. S. Army Corps of Engineers
USAF	U. S. Air Force
U.S.C.	United States Code
USCG	United States Coast Guard
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
VHF	very high frequency
VOC	volatile organic compound
WAP	waste analysis plan

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